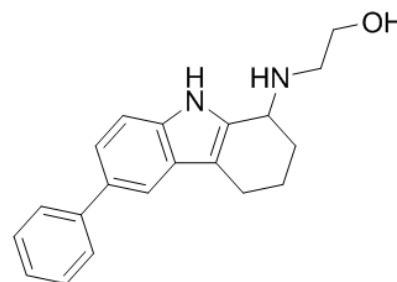


Product Name : CASIN
Cat. No. : PC-43277
CAS No. : 425399-05-9
Molecular Formula : C₂₀H₂₂N₂O
Molecular Weight : 306.4015
Target : Small GTPase
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

CASIN is a specific inhibitor of small RhoGTPase **Cdc42**, inhibits PIP₂-stimulated actin polymerization in *Xenopus* egg extracts with IC₅₀ of 2 μM.

CASIN functionally rejuvenates aged HSCs, increases the percentage of polarized cells in an aged HSC population, and restores the level and spatial distribution of histone H4 lysine 16 acetylation to a status similar to that seen in young HSCs. CASIN affects midbody trafficking of Rab8a vesicle and cytokinesis in cells.

References

Florian MC, et al. *Cell Stem Cell*. 2012 May 4;10(5):520-30.

Sakamori R, et al. *J Clin Invest*. 2012 Mar;122(3):1052-65.

Peterson JR, et al. *Chem Biol*. 2006 Apr;13(4):443-52.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com